

Type 1 / Type 2 Surge Protective Device (SPD) For Line Side or Load Side Applications

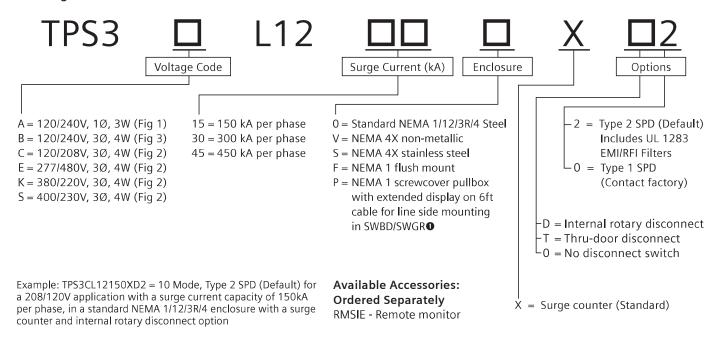
Features:

- UL 1449-4 Type 2 SPD, UL 1283 Listed, CSA 22.2 No. 269.2
- Optional UL 1449 4th Edition Listed Type 1, CSA 22.2 No. 269.1
- Type 1 / Type 2 SPD
- Mounts external to electrical distribution equipment
 - Recommended for line side or load side applications
- Large block, individually fused, thermally protected, 50 kA MOVs
- 20 kA I
- 200 kA SCCR (most models)
- Single TPS1 style replaceable modules
- Provides replaceable module protection for low to high exposure applications
- Designed, manufactured and tested consistent with:
 - ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, C62.62-2010, C62.72-2016
 CSA C22.2 No. 269.1 and .2
 - 1992/2000 NEMA LS-1
 - NEC Article 285
 - **I**EC 61643, CE
- All UL required OCP & safety coordination included
 - Type 1 SPDs intended for Line or Load side of Main Disconnect
 - Type 2 SPDs intended for Load side of Main Disconnect

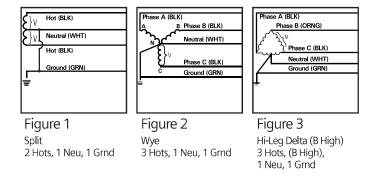
- UL96A Lightning Protection Master Label compliant
- 10 year warranty
- SPD Specifications
 - Directly connected discrete protection elements between all possible modes providing true 10 mode protection
 - Surge Current Rating Per Phase
 Per Phase L-N L-G L-L N-G
 150 kA 50 kA 50 kA 50 kA 50 kA
 300 kA 100 kA 100 kA 100 kA 100 kA
 450 kA 150 kA 150 kA 150 kA
 - 100% monitoring (Every MOV is monitored, incl. N-G)
 - Individually fused and thermally protected MOVs
- Solid state bi-directional operation
 - EMI/RFI filtering: Active tracking up to -50 db from 10 kHz to 100 MHz (Type 2 option only, includes UL 1283 Listing)
 - Repetitive impulse: 5,000 hits
 - Less than 1 nanosecond response time
 - Relative humidity range: 0 -95% non-condensing
 - Operating frequency: 47-63 Hz
 - Operating temperature:
 -25°C (-15°F) to +60°C (140°F)

- Standard Configuration
 - Standard NEMA 1/12/3R/04 ANSI 61 steel enclosure
 - Wire size: #8 AWG to 1/0
 - Standard size: 12" x 12" x 7"
 (305 mm x 305 mm x 178 mm) *
 - Standard weight: 20 lb. (9.07 kg) *
 *Internal disconnect options and other NEMA
 ratings may increase enclosure size and weight
- SPD Monitoring
 - LED indicators
 - Audible alarm with silence switch and test button
 - Dry contacts
 - · Surge counter
- Options
 - Internal rotary disconnect switch
 - Thru-door disconnect switch





UL 1449 Fourth Edition - Test Data Voltage Protection Rating (VPR - 6 kV, 3 kA)❷								
Voltage Code	Service Voltage	L-N	L-G	N-G	L-L	l _n	SCCR	MCOV
A	120/240V, 1Ø, 3W (Fig 1)	700	700	700	1000	20 kA	100 kA	150
В	120/240V, 3Ø, 4W (Fig 3)	700 /1500	700 /1200	700	1000/1800	20 kA	200 kA	150 / 320
С	120/208V, 3Ø, 4W (Fig 2)	700	700	700	1000	20 kA	200 kA	150
E	277/480V, 3Ø, 4W (Fig 2)	1200	1200	1200	1800	20 kA	200 kA	320
K	380/220V, 3Ø, 4W (Fig 2)	1200	1200	1200	1800	20 kA	200 kA	320
S	400/230V, 3Ø, 4W (Fig 2)	1200	1200	1200	1800	20 kA	200 kA	320



Notes:

- For line side mounting in SWBD/SWGR
- VPR may decrease for 450kA per phase

Siemens Industry, Inc. 5400 Triangle Parkway Norcross, GA 30092

888-333-3545 info.us@siemens.com

Order No. RPFL-S3L12-0120 Printed in USA All Rights Reserved. ©2020 Siemens Industry, Inc.

The technical data presented in this document is based on an actual case or on as-designed parameters, and therefore should not be relied upon for any specific application and does not constitute a performance guarantee for any projects. Actual results are dependent on variable conditions. Accordingly, Siemens does not make representations, warranties, or assurances as to the accuracy, currency or completeness of the content contained herein. If requested, we will provide specific technical data or specifications with respect to any customer's particular applications. Our company is constantly involved in engineering and development. For that reason, we reserve the right to modify, at any time, the technology and product specifications contained herein.